

TE 2040Z 07 JAN 64

S E C R E T

25X1A

: DIRECTOR

25X1A

OM

TION:

: OSA 1-15

TOR: 2152Z 07 JAN 64

ROUTINE

IN 57624

25X1A

25X1A

INFO

25X1A

CITE

1626

OXCART

1. STATUS REPORT 57

2. TYPE 1A CONFIGURATION:

A. NO ADDITIONAL TESTING OF THIS UNIT SINCE LAST STATUS REPORT.

B. UNIT HAS BEEN READIED FOR RESUMPTION OF TESTS BUT THESE TESTS HAVE BEEN POSTPONED OWING TO UNAVAILABILITY OF VEHICLE.

C. FIRST OPTICAL QUALITY VACUUM WINDOW HAD TO BE PARTIALLY DISASSEMBLED TO REPLACE DEFECTIVE SCREWS.

D. UNIT HAS NOW BEEN RE-ASSEMBLED AND IS BEING OUTGASSED.

E. THIS UNIT SHOULD BE READY FOR SHIPMENT TO

[] DURING WEEK OF 10 JANUARY 1964.

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3. TYPE 1B CONFIGURATION

A. TWO ADDITIONAL TESTS OF THIS UNIT HAVE BEEN COMPLETED, ATF 39 ON 4 DECEMBER 1963 AND ATF 40

S E C R E T

GROUP 1
Excluded from automatic
downgrading and
declassification

[] 1626 (IN 57624)

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ON 13 DECEMBER 1963.

B. REFERENCE [] TWX 2847 AND 3066 FOR QUICK
LOOK REPORT.

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4. TYPE 1C CONFIGURATION

A. SUBSEQUENT TO PRELIMINARY ALIGNMENT OF OPTICS
IN BENCHES TESTS INDICATE EXCELLENT IMAGES ON AXIS
AND AT -7 DEGREES IN THE FIELD.

B. IMAGES AT PLUS 5 DEGREES AND PLUS 7 DEGREES
ARE HOWEVER, CONSIDERABLY POORER.

C. NON-UNIFORMITY OF THE QUALITY OF THE PRIMARY
MIRROR APPEARS THE MOST PROBABLE CAUSE. EXTENSIVE
RETESTING OF THE PRIMARY ALONE TENDS TO SUBSTANTIATE
THIS, AND A NEW PRIMARY HAS BEEN INSTALLED IN ONE
BENCH TO FURTHER EVALUATE THIS SUPOSITION.

D. IT IS PROPOSED THAT AN ADDITIONAL THREE TO FOUR
WEEKS BE DEVOTED TO ALIGNMENT AND TESTING OF THESE
BENCHES IN ORDER TO MAXIMIZE THE IMAGE QUALITY ACROSS
THE ENTIRE FIELD. THIS WOULD DELAY SYSTEM DELIVERY
UNTIL THE LATTER PART OF FEBRUARY BUT IT IS
EXPECTED TO ENHANCE THE SYSTEM CAPABILITY.

E. BALANCE OF SYSTEM HAS BEEN RE-ASSEMBLED AND SCAN
TO SCAN SYNCHRONIZATION BEING DE-BUGGED.

5. TYPE 1D, E, F, CONFIGURATION

A. 11-12 OPTICAL ELEMENTS FOR THE "D" SYSTEM ARE
BEING CUT.

B. FILM TRANSPORT NETWORK HAS BEEN COMPLETELY
ASSEMBLED ON THE "D" PLATFORM. SUPPLY AND TAKE-UP

PRESENTLY BEING FITTED TO PLATFORM

[] 1626 (IN 57624)

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C. THE "D" ELECTRONIC BRIDGE IS COMPLETELY ASSEMBLED AND READY FOR MATING TO THE PLATFORM. "D" UPPER FRAME BEING WIRED.

D. THE "E" PLATFORM HAS BEEN RECEIVED FROM BUDD ON SCHEDULE, AND IS BEING FITTED. "E" BRIDGE AND FRAME HAVE ALSO BEEN RECEIVED.

6. GENERAL

A. NORDEN TO PROCEED WITH REPAIR OF 1 GYRO PACKAGE ON T & M CONTRACT NOT TO EXCEED \$15,200.00.

25X1A

B. TWO FIELD PERSONNEL, [] REQUESTED TO RETURN TO [] 6 JANUARY 1964 FOR 4-6 WEEKS TO ASSIST IN ALIGNMENT AND TESTING OF OPTICAL ELEMENTS AND THEREFORE ACCELERATE SCHEDULE.

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C. ONE ADDITIONAL OPTICAL ENGINEER ASSIGNED FULL TIME TO TESTING PRIMARY MIRRORS PRIOR TO DELIVERY FOR ASSEMBLY.

END OF MESSAGE.

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